

Claims

[c1] A method of displaying still images or motion sequences into each window of a passenger train, moving in a tunnel, by installing a plurality of vertically mounted light emitting bars on a tunnel sidewall that are placed in a row at a window level of a train at specific intervals in the direction of a train movement, where said bars emit light, modulated according to the desired image, time the border of each train window reaches a light emitting bar and a train velocity; and using movement of an observer onboard a train relatively to the said light emitting bars to make the said still image or motion sequence visible to the said observer.

[c2] A system, mounted on a sidewall of a train tunnel and comprises:
a train velocity and position detector;
a plurality of vertically mounted light emitting bars placed in a row at a window level of a train at specific intervals in the direction of a train movement; where each light emitting bar comprises a control circuit and a plurality of light emitting cells aligned at a specific dot interval; where each light emitting cell is a plurality of LEDs capable to emit a full-color light;
signal cables from a train velocity and position detector to light emitting bars are used to time-synchronize the modulated light emitted by bars with a train speed and position.